

Tab B



P.B.5818 - Patentaan 2  
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Europäisches  
Patentamt

European  
Patent Office

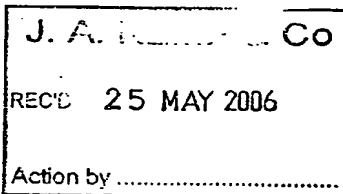
Office européen  
des brevets

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Date

24.05.06

Reference N.91527 GCW/AB	Application No./Patent No. 02773804.6 - 2401 PCT/US0233403
Applicant/Proprietor EMORY UNIVERSITY	

### COMMUNICATION

The European Patent Office herewith transmits the supplementary partial European search report under Rule 46(1) EPC relating to the above-mentioned European patent application.

Copies of the documents cited in the search report are enclosed.

The applicant's attention is drawn to the following:

The Search Division informs the applicant that if the European search report is also to cover inventions other than the invention first mentioned in the claims, a further search fee must be paid for each of these inventions, within one month after notification of this communication.

If the application has been filed up to 30 June 1999, the search fee in force before 01 July 1999 (EUR 869,-) or the equivalent applicable on the date of payment is payable.  
This applies also to the search fees requested under Rule 46(1) EPC.  
See also OJ EPO 06/1999, 405.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

### Note to users of the automatic debiting procedure:

Unless the EPO receives prior instructions to the contrary, the search fee(s) will be debited on the last day of the period for payment. For further details see the Arrangements for the automatic debiting procedure, Supplement 2 to OJ EPO 01/2005.



Registered letter  
EPO Form 1507.2 07.99



European Patent  
Office

**SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT**  
under Rule 46, paragraph 1 of the European Patent  
Convention

Application Number

EP 02 77 3804

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 01/68109 A (EMORY UNIVERSITY) 20 September 2001 (2001-09-20)  * pages 3-4 * * example 7; sequences 37,38 *	1,3,4, 6-10, 12-14	INV. C12Q1/68 A01N43/04 C07H21/04 A61K31/07
X	WO 00/71141 A (EMORY UNIVERSITY) 30 November 2000 (2000-11-30)  * pages 2-4 * * examples 7,11; sequences 38,39 *	1,3,4, 6-10, 12-14	
P,A	DOERING CHRISTOPHER B ET AL: "High level expression of recombinant porcine coagulation factor VIII." THE JOURNAL OF BIOLOGICAL CHEMISTRY. 11 OCT 2002, vol. 277, no. 41, 11 October 2002 (2002-10-11), pages 38345-38349, XP002379313 ISSN: 0021-9258 * the whole document *	1,3,4, 6-10, 12-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			C07K
<b>LACK OF UNITY OF INVENTION</b>			
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:			
see sheet B			
The present partial European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.			
Place of search		Date of completion of the search	Examiner
The Hague		8 May 2006	Romano, A
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03 82 (P04023)



European Patent  
Office

**SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT**

Application Number  
**EP 02 77 3804**

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	BARROW R T ET AL: "Reduction of the antigenicity of factor VIII toward complex inhibitory antibody plasmas using multiply-substituted hybrid human/orcine factor VIII molecules" BLOOD, W.B.SAUNDERS COMPANY, ORLANDO, FL, US, vol. 95, no. 2, 15 January 2000 (2000-01-15), pages 564-568, XP002963601 ISSN: 0006-4971 * the whole document * -----	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-14 (all partially)

A polypeptide with SEQ ID NO:15 and a polynucleotide with  
SEQ ID NO:14, products, methods and uses related thereto

2. claims: 1-14 (all partially)

A polypeptide with SEQ ID NO:17 and a polynucleotide with  
SEQ ID NO:15, products, methods and uses related thereto

3. claims: 1-14 (all partially)

A polypeptide with SEQ ID NO:17 and a polynucleotide with  
SEQ ID NO:16, products, methods and uses related thereto

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 77 3804

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

08-05-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0168109	A	20-09-2001	AU 3841601 A	24-09-2001
			BR 0109131 A	07-12-2004
			CA 2400295 A1	20-09-2001
			CN 1416348 A	07-05-2003
			CZ 20023346 A3	15-01-2003
			EE 200200510 A	16-02-2004
			EP 1280540 A1	05-02-2003
			HU 0300586 A2	28-06-2003
			JP 2003526358 T	09-09-2003
			MX PA02008798 A	25-04-2003
			NO 20024296 A	08-11-2002
			NZ 520799 A	25-06-2004
			PL 359672 A1	06-09-2004
			SK 14392002 A3	03-06-2003
			ZA 200206810 A	26-11-2003
WO 0071141	A	30-11-2000	AT 291923 T	15-04-2005
			AU 765442 B2	18-09-2003
			AU 5023700 A	12-12-2000
			CA 2374675 A1	30-11-2000
			DE 60019122 D1	04-05-2005
			DE 60019122 T2	09-02-2006
			EP 1200105 A1	02-05-2002
			ES 2238284 T3	01-09-2005
			HK 1043543 A1	09-09-2005
			JP 2003508019 T	04-03-2003
			PT 1200105 T	30-06-2005



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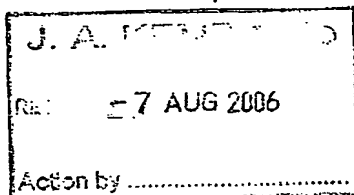
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Reference  
N.91527 GCW/AB

Application No./Patent No.  
02773804.6 - 2107 PCT/US0233403

Applicant/Proprietor  
EMORY UNIVERSITY

### COMMUNICATION

The European Patent Office herewith transmits as an enclosure the supplementary European search report under Article 157(2)(a) EPC for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

### Refund of the search fee

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent  
Office

**SUPPLEMENTARY  
EUROPEAN SEARCH REPORT**

Application Number  
**EP 02 77 3804**

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 01/68109 A (EMORY UNIVERSITY) 20 September 2001 (2001-09-20)  * pages 3-4 * * example 7; sequences 37,38 *	1,3,4, 6-10, 12-14	INV. A61K35/14 C07K1/00 C07H21/04 C12P21/00
X	WO 00/71141 A (EMORY UNIVERSITY) 30 November 2000 (2000-11-30)  * pages 2-4 * * examples 7,11; sequences 38,39 *	1,3,4, 6-10, 12-14	
P,A	DOERING CHRISTOPHER B ET AL: "High level expression of recombinant porcine coagulation factor VIII." THE JOURNAL OF BIOLOGICAL CHEMISTRY. 11 OCT 2002, vol. 277, no. 41, 11 October 2002 (2002-10-11), pages 38345-38349, XP002379313 ISSN: 0021-9258 * the whole document *	1,3,4, 6-10, 12-14	
A	BARROW R T ET AL: "Reduction of the antigenicity of factor VIII toward complex inhibitory antibody plasmas using multiply-substituted hybrid human/orcine factor VIII molecules" BLOOD, W.B.SAUNDERS COMPANY, ORLANDO, FL, US, vol. 95, no. 2, 15 January 2000 (2000-01-15), pages 564-568, XP002963601 ISSN: 0006-4971 * the whole document *	1-14	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search <b>The Hague</b>		Date of completion of the search <b>27 July 2006</b>	Examiner <b>Romano, A</b>
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document  T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  & : member of the same patent family, corresponding document			

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EPO FORM 1503 03/82 (P04C04)





### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-14 (all partially)

A polypeptide with SEQ ID NO:15 and a polynucleotide with  
SEQ ID NO:14, products, methods and uses related thereto  
---

2. claims: 1-14 (all partially)

A polypeptide with SEQ ID NO:17 and a polynucleotide with  
SEQ ID NO:16, products, methods and uses related thereto  
---

3. claims: 1-14 (all partially)

A polypeptide with SEQ ID NO:19 and a polynucleotide with  
SEQ ID NO:18, products, methods and uses related thereto  
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 77 3804

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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27-07-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0168109      A	20-09-2001	AU      3841601 A	24-09-2001
		BR      0109131 A	07-12-2004
		CA      2400295 A1	20-09-2001
		CN      1416348 A	07-05-2003
		CZ      20023346 A3	15-01-2003
		EE      200200510 A	16-02-2004
		EP      1280540 A1	05-02-2003
		HU      0300586 A2	28-06-2003
		JP      2003526358 T	09-09-2003
		MX      PA02008798 A	25-04-2003
		NO      20024296 A	08-11-2002
		NZ      520799 A	25-06-2004
		PL      359672 A1	06-09-2004
		SK      14392002 A3	03-06-2003
		ZA      200206810 A	26-11-2003
WO 0071141      A	30-11-2000	AT      291923 T	15-04-2005
		AU      765442 B2	18-09-2003
		AU      5023700 A	12-12-2000
		CA      2374675 A1	30-11-2000
		DE      60019122 D1	04-05-2005
		DE      60019122 T2	09-02-2006
		EP      1200105 A1	02-05-2002
		ES      2238284 T3	01-09-2005
		HK      1043543 A1	09-09-2005
		JP      2003508019 T	04-03-2003
		PT      1200105 T	30-06-2005

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82